

Storm Water Outfall Summary
Outfalls Targeted for 2006/2007 Water Year

Land Use	Rep. Land Use Stn	High P./Unique	Part of T-4 study	Review Existing Data 1st	Outfall(s)	Facility or Location	River Mile	Industrial Type	LWG Member (*City Outfall)	Notes and Comments
Residential	X				OF-49	St. Johns	6.5	NA	Yes *	Residential SE of St. Johns Bridge - 64 acres
Residential	X		X		OF-53	Residential upstream of T4.	5.1	NA	Yes *	Residential NE of St. Johns Bridge – approximately 46 acres (needs to be redelineated, likely smaller).
Open Space (Forest Park)	X				OF-22C (sample above Hwy 30)	Forest Park	6.9	NA	Yes *	Doane Creek basin - appx 900 acres forest land; sample upstream of Hwy 30. May be other options (e.g., Saltzman Creek).
Major Transportation	X				Numerous ODOT Outfalls	Hwy 30	TBD	Highways	No	DEQ will talk with ODOT about outfalls along Hwy 30. City has ODOT as built. Additional research needed to identify sampling location.
Major Transportation	X				OF-12	Fremont Bridge - drains Hwy 30 and 405 interchange.	11.1	Highways	No	Further recon needed to determine monitoring location. DEQ will talk with ODOT
Light Industrial	X				OF-M2	Mocks Bottom	Swan Island Lagoon	Trucking and Distribution	Yes *	Trucking and distribution, 118 acres
Light Industrial	X		X		OF-52C	Basin above T-4	4.3	Materials	Yes *	Head of Slip 1.
Light Industrial	X		X		WR-169/Basin D	T-4 (Toyota)	4.7	Materials	Yes	Downstream end of Toyota.
Light Industrial	?	X			Discharges to M-1	Fred Devine	Swan Island Lagoon	Equipment maintenance	No	Source of PAHs and phthalates.
Heavy Industrial	X				OF-16	Multiple	9.7	Mixed Types	Yes *	Almost exclusively mixed Industrial but has some Hwy30 runoff
Heavy Industrial	X				WR-66	Siltronic	6.5	"Clean" heavy industrial site	Yes	Downstream end of Wacker. Sample subbasin upstream of process wastewater
Heavy Industrial	X				OF-22	Willbridge	7.7	Bulk Oil and Asphalt	Yes*	Instead of sampling Chevron Asphalt and Chevron Willbridge, have Chevron, Conoco and McCall share costs of sampling OF22 to get land use data for bulk oil and asphalt.
Heavy Industrial	X				WR-218 (downstream of OF 46)	UPRR Albina	10	Railyard	Yes	Check with PM about outfall selection.
Heavy Industrial	X		X		WR-183/Basin R	T-4, Slip 1	4.3	Materials	Yes	Changed from WR-182 based on Port comment.
Heavy Industrial	X		X		WR-181/Basin Q	T-4, Slip 1	4.3	Materials	Yes	
Heavy Industrial	X		X		WR-177/Basin M	T-4, Slip 1	4.3	Materials	Yes	
Heavy Industrial	X		X		WR-20/Basin L	T-4 - Wheeler Bay	4.5	Materials	Yes	

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High Priority Sites										
Heavy Industrial	?	X			OF-22B	City Outfall draining Front Avenue (Gould, Rhone Poulenc, Doane Lake, Air Liquide, Arkema)	6.9	Chemical Mfc	Yes *	37 Acres. Some source control has been performed (e.g. lining). Dry weather data is available.
Heavy Industrial	?	X			WR-121 or WR-123	Schnitzer International Slip	3.7	Metals, recycling	No	Metals exceed AWQC in International slip. DEQ is working with Schnitzer on characterization. Further discussion , check with PM to confirm proper outfall. One of the two may be riverside outfall.
Heavy Industrial	?	X			WR-121 or WR-123	Schnitzer International Slip	3.7	Other related industrial operations	No	Metals exceed AWQC in International slip. DEQ is working with Schnitzer on characterization. Further discussion , check with PM to confirm proper outfall. One of the two may be riverside outfall.
Heavy Industrial	?	X			WR-107	GASCO	6.4	MGP	Yes	MGP waste
Heavy Industrial	?	X			WR-14	Chevron Transportation	7.7	Bulk Fuel	Yes	Between downstream Chevron Docks. In-water sediment data raises questions; no data exists for this site yet.
Heavy Industrial	?	X			WR-161	Portland Shipyard	8.2	Ship maintenance and Repair	Yes	Downstream end of Swan Island; discharges at dry docks. Further discussion , check with PM to confirm stormwater outfall to sample.
Heavy Industrial	?	X			Discharges to M-1	Freightliner Truck Plant	Swan Island Lagoon	Manufacturing	No	Site has two connections to municipal conveyance; need to determine appropriate monitoring location
Heavy Industrial	?	X			WR-145	Gunderson	8.9	Barge and Railroad Car Manufacturing	Yes	Launchway. Grabs and catch basin being sampled under DEQ program. Further discussion , check with PM to verify outfall.
Heavy Industrial	?	X			WR-148	Gunderson (former Schnitzer)	9	Metals Handling	Yes	Upstream end of Gunderson. Grabs and catch basin being sampled under DEQ program. Further discussion , check with PM to verify outfall.
Heavy Industrial		X			Discharges to OF-17	GE Decommissioning	9.7	Electrical equipment	No	PCB Source. GE discharge sampling recommended. Outfall 17 not recommended for land use sampling because basin is mixed use.
Heavy Industrial		X			WR-24	OSM	2.1	Steel Manufacturing	Yes	Supports DQO #1. PCB Source. Some stormwater catch basin solids data available. OSM is pursuing stormwater treatment to be implemented in 2007.
Heavy Industrial		X			WR-96	Arkema	7.3	Chemical Manufacturing	Yes	Further discussion , check with PM to verify outfall locations. Pesticide and other chlorinated chemical manufacturing.
Heavy Industrial		X		X	WR-6	Rhone Poulenc	6.9	Pesticide and herbicide manufacturing	Yes	Stormwater discharges to WWTP, discharges to river under major Industrial NPDES Permit. No solids post-treatment. Evaluate existing grab sample data from batch discharges (NPDES) to determine use for loading.

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Not Recommended for sampling this year										
Heavy Industrial					WR-171					Plugged and abandon.
Heavy Industrial					WR-66	Mar Com	5.6	Ship maintenance and repair	No	Existing outfall drains mostly paved office area; sheet flow is likely most significant discharge but no easy way to sample
Heavy Industrial					OF 22C	GASCO, Koppers, Siltronic	6.4	MGP	Yes	Little actual developed property, dry weather sampling suggests groundwater likely the issue.
Heavy Industrial					WR 28/29	GS Roofing	7.6	Roofing Products	No	Not convinced this is a high priority site for stormwater.
Mixed Use					Saltzman Creek	Willbridge, GS Roofing, Forest Park	7.6	Petroleum	Yes	Because mixed use, not representative of heavy industrial land use.
Heavy Industrial					WR 26	BP Bulk Fuel	4.7	Bulk Fuel	No	Not needed because OF 22 will represent petroleum related land use.
Heavy Industrial					WR-189 through 193	Willamette Cove	6.6	Ship maintenance and Repair	Yes	Does not represent industrial land use. According to the Port all onsite outfalls are inactive
Heavy Industrial					OF 22	Chevron Asphalt	7.6	Asphalt Production	Yes	Combined with McCall and Conoco for sampling OF 22
Heavy Industrial					OF 22	Willbridge	7.7	Petroleum	Yes	Combined with McCall and Conoco for sampling OF 22